

To: Marshall, Laura[Laura.Marshall@epa.state.oh.us]
Cc: Brett Fishwild[Brett.Fishwild@CH2M.com]; Smith, Madelyn[Madelyn.Smith@epa.state.oh.us]
From: Patterson, Leslie
Sent: Tue 6/4/2013 4:29:08 PM
Subject: RE: SDDL DQO 3.1 soil
[OU2 DQO Table 3.2 groundwater 1-4_ljp.docx](#)
[OU2 DQO Table 3.2 groundwater 1-4_ljp_clean copy.docx](#)
[OU2 DQO Table 3.3 soil gas 1-4_ljp.docx](#)
[OU2 DQO Table 3.4 surface water 1-4_ljp.docx](#)
[OU2 DQO Table 3.4 surface water 1-4_ljp_clean copy.docx](#)

Laura and all,

I think it's ok if we don't send the tables to CRA this week, although it would be great if we could get them some kind of feedback. There are fewer changes to the soil vapor and surface water ones than for the groundwater and soil ones, and more questions that I have for CRA, so those might be easier to just discuss this week on our call with CRA.

Leslie Patterson

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From: Marshall, Laura [mailto:Laura.Marshall@epa.state.oh.us]
Sent: Monday, June 03, 2013 2:45 PM
To: Patterson, Leslie
Cc: Brett Fishwild; Smith, Madelyn
Subject: RE: SDDL DQO 3.1 soil

Leslie,

I was wondering, instead of trying to get together to discuss the DQO tables this week before you leave, what do you think about us reviewing your edits and thinking more about the DQO tables while you are gone and regrouping when you get back? If we did this it would give Maddie a little time to figure out what is going on and be able to better participate in that discussion, which is pretty important going forward.

What do you think?

Laura

From: Patterson, Leslie [<mailto:patterson.leslie@epa.gov>]
Sent: Thursday, May 30, 2013 5:40 PM
To: Brett Fishwild; Marshall, Laura
Subject: SDDL DQO 3.1 soil

Brett & Laura,

Here's what I ended up with after going through Table 3.1 (a few questions for further discussion are highlighted). Some things I addressed are:

1. "soil and fill" rather than just "soil"
2. Replaced "Southern Parcels" with "OU2"
3. The reference to soil samples deeper than 15' was confusing, I think because the DQO for the groundwater leaching pathway is in Table 3.2. So I put those phrases in parentheses to note that samples for other DQOs will be co-located with the soil borings for this DQO. (This is where, if I were doing it, I would have all the soil sampling in the same DQO, with the groundwater leaching an additional study question. But I'm trying to clarify the language, not redo the strategy.)
4. Added exposure routes and toxicological info as info needs
5. Added residential RSLs as screening levels; deleted confusing references to other screening levels (unless there are others we should be using, then they should be specified)

6. Added inhalation/ingestion pathway to the direct contact
7. Noted that mean concentrations are addressed better by composite sampling than single borings
8. Noted that exposure areas/units need to be defined.

We can all go through this on the phone together, or you guys can add your comments and edits and send it back to me, whatever works.

Leslie Patterson

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